PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  | Application Number          |  | 10675721        |  |
|--|-----------------------------|--|-----------------|--|
|  | Filing Date                 |  | 2003-09-30      |  |
| INFORMATION DISCLOSURE                 | First Named Inventor Levine |  | ine et al.      |  |
| (Not for submission under 37 CFR 1.99) | Art Unit                    |  | 2191            |  |
| (NOTION SUBMISSION UNICE OF OTIC 1.50) | Examiner Name Vo, T         |  | Ted T.          |  |
|  | Attorney Docket Number      |  | AUS920030483US1 |  |

|                      | U.S.PATENTS |               |                           |            |   |        |  |
|----------------------|-------------|---------------|---------------------------|------------|---|--------|--|
| Examiner<br>Initial* | Cite<br>No  | Patent Number | Kind<br>Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Releva | Columns,Lines where<br>nt Passages or Relevant<br>s Appear |
| TiV                  | 1           | 6542985       |                           | 2003-04-01 | Johnson et al.                                  |        |  |
| Tiv                  | 2           | 4316245       |                           | 1982-02-16 | Luu et al.                                      |        |  |
| TTV                  | 3           | 7181723       |                           | 2007-02-20 | Luk et al.                                      |        |  |
| 7.51                 | 4           | 6961925       |                           | 2005-11-01 | Callahan, II et al.                             |        |  |
| TiV                  | 5           | 5950003       |                           | 1999-09-30 | Kaneshiro et al.                                |        |  |
| TIV                  | 6           | 5212794       |                           | 1993-05-18 | Pettis et al.                                   |        |  |
| TiV                  | 7           | 5659679       |                           | 1997-08-19 | Alpert et al.                                   |        |  |
| Til                  | 8           | 6006033       |                           | 1999-12-21 | Heisch  |        |  |

3/30/0

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

( Not for submission under 37 CFR 1.99)

| 70 0                 |       |                 |  |  |  |
|----------------------|-------|-----------------|--|--|--|
| Application Number   |       | 10675721        |  |  |  |
| Filing Date          |       | 2003-09-30      |  |  |  |
| First Named Inventor | Levin | e et al.        |  |  |  |
| Art Unit             | •     | 2191            |  |  |  |
| Examiner Name        | Vo, T | ed T.           |  |  |  |
| Attorney Docket Numb | er    | AUS920030483US1 |  |  |  |

| TO   | 9  | 6119075 |    | 2000-09-12 | Dean et al.      |     |
|------|----|---------|----|------------|------------------|-----|
| 771  | 10 | 6189141 | B1 | 2001-02-13 | Benitez et al.   |     |
| TTV  | 11 | 6237141 | B1 | 2001-05-22 | Holzle et al.    |     |
| TTV  | 12 | 6351844 | B1 | 2002-02-26 | Bala             |     |
| TTV  | 13 | 6505292 | B1 | 2003-01-07 | Witt             |     |
| TTV  | 14 | 6631514 | B1 | 2003-10-07 | Le               |     |
| 171/ | 15 | 5794028 |    | 1998-08-11 | Tran             |     |
| TTV  | 16 | 5950009 |    | 1999-09-07 | Bortnikov et al. | ,   |
| TIV  | 17 | 5950003 |    | 1999-09-07 | Kaneshiro et al. | , , |
| TTV  | 18 | 5581778 |    | 1996-12-03 | Chin et al.      |     |
| TTV  | 19 | 5752062 |    | 1998-05-12 | Gover et al.     |     |

3/20/07

| INFORMATIO | N DISCLOSURE |
|------------|--------------|
| STATEMENT  | BY APPLICANT |

( Not for submission under 37 CFR 1.99)

| 5/30/01              |       |                 |  |  |  |  |
|----------------------|-------|-----------------|--|--|--|--|
| Application Number   |       | 10675721        |  |  |  |  |
| Filing Date          |       | 2003-09-30      |  |  |  |  |
| First Named Inventor | Levin | e et al.        |  |  |  |  |
| Art Unit             |       | 2191            |  |  |  |  |
| Examiner Name        | Vo, T | Vo, Ted T.      |  |  |  |  |
| Attorney Docket Numb | per   | AUS920030483US1 |  |  |  |  |

| TTV                  | 20         | 6446029                                 | B1                           | 2002-09         | -03                       | Davidson et al.     |   |   |            |             |    |
|----------------------|------------|---|------------------------------|-----------------|---------------------------|---------------------|---|---|------------|-------------|----|
| TTV                  | 21         | 5970439                                 |                              | 1999-10         | -19                       | Levine et al.       |   |   |            |             |    |
| If you wisl          | n to ac    | d additional U.S. Pater                 | t citatio                    | n inform        | ation pl                  | ease click the      | Add button.                                       |   | Add        |             |    |
|                      |            |   | U.S.P.                       | ATENT.          | APPLIC                    | CATION PUBL         | ICATIONS  | _   | Remove     |             |    |
| Examiner<br>Initial* | Cite<br>No | Publication Number                      | Kind<br>Code <sup>1</sup>    | Publica<br>Date | tion                      | of cited Document   |   | Pages,Columns,Lines wher<br>Relevant Passages or Rele<br>Figures Appear |            |             |    |
| 21                   | 1          | 20040194076                             | A1                           | 2004-09         | -01                       | Comp et al.         |   |   |            |             |    |
| 771                  | 2          | 20020073406                             | A1                           | 2002-06         | -13                       | Gove                |   |   |            |             |    |
| 771                  | 3          | 20030014741                             | A1                           | 2003-01         | -16                       | Megiddo et al.      |   |   |            |             |    |
| Tal                  | 4          | 20020157086                             | A1                           | 2002-10         | -24                       | Lewis et al.        |   | (   |            |             |    |
| TV                   | 5          | 20030040955                             | A1                           | 2003-02         | 2-27                      | Anaya et al.        |   |   |            |             |    |
| If you wis           | h to a     | dd additional U.S. Publi                | shed Ap                      | plication       | citatio                   | n information p     | lease click the Add                               | d button  | Add        | ·           |    |
|                      |            |   |                              | FOREIG          | SN PAT                    | ENT DOCUM           | ENTS  |   | Remove     |             |    |
| Examiner<br>Initial* | Cite<br>No | Foreign Document<br>Number <sup>3</sup> | Country<br>Code <sup>2</sup> |                 | Kind<br>Code <sup>4</sup> | Publication<br>Date | Name of Patente<br>Applicant of cited<br>Document | e or  | where Rele | or Relevant | T5 |

2/30/07

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

( Not for submission under 37 CFR 1.99)

| 9/50/01              |       |                 |  |  |
|----------------------|-------|-----------------|--|--|
| Application Number   |       | 10675721        |  |  |
| Filing Date          |       | 2003-09-30      |  |  |
| First Named Inventor | Levin | e et al.        |  |  |
| Art Unit             |       | 2191            |  |  |
| Examiner Name        | Vo, T | Ted T.          |  |  |
| Attorney Docket Numb | per   | AUS920030483US1 |  |  |

|  | 1  | ,   |  |           |                   |                    |            |             |                |  |  |  |  |
|--|--|---|--|-----------|-------------------|--------------------|------------|-------------|----------------|--|--|--|--|
| If you wis                             | f you wish to add additional Foreign Patent Document citation information please click the Add button Add  |   |  |           |                   |                    |            |             |                |  |  |  |  |
| NON-PATENT LITERATURE DOCUMENTS Remove |  |   |  |           |                   |                    |            |             |                |  |  |  |  |
| Examiner<br>Initials*                  | er Cite No Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. |   |  |           |                   |                    |            |             |                |  |  |  |  |
| TW                                     | 1  | RAMIREZ et al., "The Effect of Code Reordering on Branch Prediction", Proceedings of the International Conference on Parallel Architectures and Compilation Techniques, October 2000, pp. 189-198.                |  |           |                   |                    |            |             |                |  |  |  |  |
|  | 2  | YANG et al., "Improving Performance by Branch Reordering", Proceedings of the AGM SIGPLAN 1998 Conference on Programming Language Design and Implementation, Montreal Canada, 1998, pp. 138-141.                  |  |           |                   |                    |            |             |                |  |  |  |  |
| 171                                    | 3  | CONTE et al., "Accurate and Practical Profile-Driven Compilation Using the Profile Buffer", Proceedings of the 29th Annual ACM/IEEE International Symposium on Microarchitecture, Paris, France, 1996, pp. 36-45. |  |           |                   |                    |            |             |                |  |  |  |  |
| TIV                                    | 4  | CONTE et al., "Using Br<br>Annual International Syr   |  |           |                   |                    |            | eedings of  | the 27th       |  |  |  |  |
| Tru                                    | 5  | FISHER, "Trace Schedu<br>C30, No. 7, July 1981, p   |  | for Glob  | eal Microcode Co  | ompaction", IEEE 1 | Fransactio | ons on Com  | nputers, Vol.  |  |  |  |  |
| TH                                     | 6  | CHANG et al., "Using Pr<br>1991, pp. 1301-1321.   | CHANG et al., "Using Profile Information to Assist Classic Code Optimizations", Software Pract. Exper. 21, December 1991, pp. 1301-1321. |           |                   |                    |            |             |                |  |  |  |  |
| TTV                                    | 7  | SCHMIDT et al., "Profile<br>2, pp. 270-297.   | e-Directed Restruc   | turing of | Operating System  | em Code", IBM Sys  | stems Jou  | ımal, 1998, | , Vol. 37, No. |  |  |  |  |
| Tn                                     | 8  | AHO et al., "Compilers:   | Principles, Techni   | ques, ar  | nd Tools", Addiso | on-Wesley, 1988, p | op. 488-49 | 97.         |                |  |  |  |  |
| If you wis                             | If you wish to add additional non-patent literature document citation information please click the Add button Add  |   |  |           |                   |                    |            |             |                |  |  |  |  |

\* No publication late

\*

3/30/07

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

( Not for submission under 37 CFR 1.99)

| 717019               | <u> </u> |                 |  |  |
|----------------------|----------|-----------------|--|--|
| Application Number   |          | 10675721        |  |  |
| Filing Date          |          | 2003-09-30      |  |  |
| First Named Inventor | Levin    | e et al.        |  |  |
| Art Unit             |          | 2191            |  |  |
| Examiner Name        | Vo, T    | ed T.           |  |  |
| Attorney Docket Numb | per      | AUS920030483US1 |  |  |

| EXAMINER SIGNATURE        |   |                                  |                            |                      |           |             |                  |  |  |
|---------------------------|---|----------------------------------|----------------------------|----------------------|-----------|-------------|------------------|--|--|
| Examiner Signature        | TED T.  | VD                               | Date                       | e Considered         | 9         | 114/0       | 7                |  |  |
|                           | reference considered,<br>ormance and not consider   |                                  |                            |                      |           |             | ough a           |  |  |
| Standard ST.3). 3 For Jan | TO Patent Documents at www.<br>anese patent documents, th<br>appropriate symbols as indi<br>on is attached. | ne indication of the year of the | the reign of the Emperor m | nust precede the ser | rial numb | er of the p | patent document. |  |  |

6/27/67

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) Application Number 10675721 Filing Date 2003-09-30 First Named Inventor Levine et al. Art Unit 2191 Examiner Name Vo, Ted T. Attorney Docket Number AU920030483US1

|                      |            | Remove        |                           |            |   |  |
|----------------------|------------|---------------|---------------------------|------------|---|--|
| Examiner<br>Initial* | Cite<br>No | Patent Number | Kind<br>Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where<br>Relevant Passages or Relevant<br>Figures Appear |
| TiV                  | 1          | 5708803       |                           | 1998-01-13 | Ishimi et al.                                   |  |
| TTV                  | 2          | 6832296       | B2                        | 2004-12-14 | Hooker  | ·  |
| FIV                  | 3 .        | 5603004       |                           | 1997-02-11 | Kurpanek et al.                                 |  |
| TTV                  | 4          | 6848030       | B2                        | 2005-01-25 | Tokar et al.                                    |  |
| FI                   | 5          | 6961681       | B1                        | 2005-11-01 | Choquier et al.                                 |  |
| TTV                  | 6          | 6918106       | B1                        | 2005-07-12 | Burridge et al.                                 |  |
| 11                   | 7          | 6775825       | B1                        | 2004-08-10 | Grumann et al.                                  |  |
| 77/                  | 8          | 6601233       | B1                        | 2003-07-29 | Underwood                                       |  |

### 

| TIV  | 9          | 6256771            | B1                        | <b>2001-07-03</b>   | O'Neil et al.                                   |  |        |  |  |  |
|--|------------|--------------------|---------------------------|---------------------|---|--|--------|--|--|--|
| JTJ  | 10         | 6966057            | B2                        | 2005-11-15          | Lueh  |  |        |  |  |  |
| 77/  | 11         | 7131115            | B2                        | 2006-10-31          | Hundt et al.                                    |  |        |  |  |  |
| 770  | 12         | 6009514            | 19                        | 1999-12-28          | Henzinger et al.                                |  |        |  |  |  |
| Tiv  | 13         | 5544342            |                           | 1996-08-06          | Dean  |  |        |  |  |  |
| 770  | 14         | 6349406            | B1                        | 2002-02-19          | Levine et al.                                   |  |        |  |  |  |
| If you wish to add additional U.S. Patent citation information please click the Add button.  Add |            |                    |                           |                     |   |  |        |  |  |  |
|  |            |                    | U.S.P                     | ATENT APPLIC        | CATION PUBLICATIONS                             |  | Remove |  |  |  |
| Examiner<br>Initial*   | Cite<br>No | Publication Number | Kind<br>Code <sup>1</sup> | Publication<br>Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Li<br>Relevant Passage<br>Figures Appear |        |  |  |  |
| TW   | 1          | 20030191900        | A1                        | 2003-10-09          | Hooker  |  |        |  |  |  |
| TW   | 2          | 20040049712        | A1                        | 2004-03-11          | Betker et al.                                   |  |        |  |  |  |
| TTV  | 3          | 20030225917        | A1                        | 2003-12-04          | Partamian et al.                                |  |        |  |  |  |

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) Application Number 10675721 Filing Date 2003-09-30 First Named Inventor Levine et al. Art Unit 2191 Examiner Name Vo, Ted T. Attorney Docket Number AU920030483US1

| TTU  | 4  | 20030135719   | A1          | 200            | 3-07-17       | DeWitt, Jr. et al.  |  |       |            |             |    |  |
|--|--|---|-------------|----------------|---------------|---------------------|--|-------|------------|-------------|----|--|
| If you wish to add additional U.S. Published Application citation information please click the Add button. Add   |  |   |             |                |               |                     |  |       |            |             |    |  |
| FOREIGN PATENT DOCUMENTS Remove  |  |   |             |                |               |                     |  |       |            |             |    |  |
| Examiner<br>Initial*   | Cite<br>No   | Foreign Docume<br>Number³   |             | intry<br>le² į | Kind<br>Code4 | Publication<br>Date | Name of Patentee<br>Applicant of cited<br>Document | e or  | where Rel  | or Relevant | Т5 |  |
|  | 1  |   |             |                |               |                     |  |       |            |             |    |  |
| If you wis   | If you wish to add additional Foreign Patent Document citation information please click the Add button Add |   |             |                |               |                     |  |       |            |             |    |  |
|  | ,  |   |             | ION-PA         | TENT LITE     | RATURE DO           | CUMENTS  |       | Remove     |             |    |  |
| Examiner<br>Initials*  | Cite<br>No   | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. |             |                |               |                     |  |       | <b>T</b> 5 |             |    |  |
|  | 1  |   |             |                |               |                     |  |       |            |             |    |  |
| If you wisl  | h to a   | dd additional non-  | oatent lite | ature d        | ocument cit   | ation informat      | ion please click the                               | Add b | utton Ad   | d           |    |  |
| EXAMINER SIGNATURE   |  |   |             |                |               |                     |  |       |            |             |    |  |
| Examiner Signature (E)   |  |   | T. L        | 79             |               | Date Conside        | red  | 9/1   | 4/07       |             |    |  |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  |  |   |             |                |               |                     |  |       |            |             |    |  |
| <sup>1</sup> See Kind Codes of USPTO Patent Documents at <a href="https://www.USPTO.GOV">www.USPTO.GOV</a> or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached. |  |   |             |                |               |                     |  |       |            |             |    |  |